MAY 3 1 2001

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From the INTERNATIONAL SEARCHING AUTHORITY

39: RUSSELL REYNEKE Attn. DE KOCK, Elbie R. Suite 700 - Two Bentall Centre 555 Burrard Street Vancouver, British Columbia V7X 1M8

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NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year) 16/03/2000

Applicant's or agent's file reference 147401 (BAL)

International application No. PCT/CA 99/00850

Applicant

BALLARD POWER SYSTEMS INC. et al.

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۱. [X	The appl	licant is hereby n	otified that the international Search Report has been established and is transmitted herewith.
		Filing of The appl	amendments a licant is entitled, i	nd statement under Article 19: If he so wishes, to amend the claims of the international Application (see Rule 46):
		When?	The time limit fo	or filing such amendments is normally 2 months from the date of transmittal of the earch Report; however, for more details, see the notes on the accompanying sheet.
		Whore?	Directly to the	International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41–22) 740.14.35
		For mor	re detailed instr	uctions, see the notes on the accompanying sheet.
2.				otified that no International Search Report will be established and that the declaration under ect is transmitted herewith.
3.		With req	gard to the prote	est against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
		☐ the	pilcant's request	r with the decision thereon has been transmitted to the international Bureau together with the to forward the texts of both the protest and the decision thereon to the designated Offices.
		no no	decision has be	en made yet on the protest; the applicant will be notified as soon as a decision is made.
4.	Fur	ther actio	n(s): The app	licant is reminded of the following:
	lf i	the application to the control of th	ant wishes to aven, must reach the	the priority date, the international application will be published by the international Bureau. bid or postpone publication, a notice of withdrawal of the international application, or of the international Bureau as provided in Rules 90 <i>bis</i> .1 and 90 <i>bis</i> .3, respectively, before the preparations for international publication.
	With	hin 19 mo Ishee to p	nths from the pri ostpone the entry	ortty date, a demand for international preliminary examination must be filed if the applicant into the national phase until 30 months from the priority dat (in some Offices even later).
	be	efore all de	esignated Offices	ority date, the applicant must perform the prescribed acts for entry into the national phase which have not been elected in the demand or in a later election within 19 months from the elected because they are not bound by Chapter II.

Ì	Name and mailing address of the International Searching Authority	Authorized officer
	European Patent Office, P.B. 5818 Patentiaan 2 NL-2280 HV Rijew[k Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Maria Van der Hoeven

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 147401 (BAL)		f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/CA 99/00850	17/09/1999	22/09/1998
Applicant BALLARD POWER SYSTEMS INC	. et al.	
according to Article 18. A copy is being to This international Search Report consists		
Basis of the report Althorogonal to the length on the	international search was carried out on the ba	ele of the International analysation in the
language in which it was filed, un	international search was carried out on the ba less otherwise indicated under this item.	ою от не вполивнога архисацоп III ию
the International search w Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of	the international application furnished to this
was carried out on the basis of th	e sequence listing :	nternational application, the international search
1 🖳	onal application in written form.	
1 =	emational application in computer readable for	m.
	o this Authority in written form.	
the statement that the su	o this Authority in computer readble form. becausently furnished written sequence listing of	loes not go beyond the disclosure in the
1 – "	as filed has been furnished. ormation recorded in computer readable form	is identical to the written sequence listing has been
fumished	•	
2. Certain claims were fou	ınd unsearchable (See Box I).	
3. Unity of invention is lac	cking (see Box II).	
4. With regard to the title,		
the text is approved as s	ubmitted by the applicant.	
the text has been established	shed by this Authority to read as follows:	•
the text has been establi	ubmitted by the applicant. shed, according to Rule 38.2(b), by this Autho te date of mailing of this international search re	ity as it appears in Box III. The applicant may,
	ollshed with the abstract is Figure No.	14
as supposted by the app	•	None of the figures.
		T HAND OF THE HANDER
because the applicant fa	med to suggest a ngure. or characterizes the invention.	
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/CA 99/00850

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The abstract has to be changed as follows: Line 1, after "loops" insert "(136)"; Line 2, after "systems" insert "(10)"; line 12, after "unit" insert "(158)". B60L11/18

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01M8/04 F01P11/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01M F01P C09K B60L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Bectronic data base consulted during the international search (name of data base and, where practical, search terms used)

Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
US 5 174 902 A (RICHARDSON ROBERT C ET AL) 29 December 1992 (1992-12-29) column 16, line 44 -column 17, line 52 column 9, line 9 - line 19 column 7, line 28 - line 35	1-6,8
US 4 946 595 A (MILLER JR ROBERT C) 7 August 1990 (1990-08-07) column 4, line 67 -column 5, line 22	1-3,7,8
PATENT ABSTRACTS OF JAPAN vol. 1996, no. 03, 29 March 1996 (1996-03-29) & JP 07 310070 A (HITACHI LTD;0THERS: 01), 28 November 1995 (1995-11-28) abstract -/	1,2,6,8
	US 5 174 902 A (RICHARDSON ROBERT C ET AL) 29 December 1992 (1992-12-29) column 16, line 44 -column 17, line 52 column 9, line 9 - line 19 column 7, line 28 - line 35 US 4 946 595 A (MILLER JR ROBERT C) 7 August 1990 (1990-08-07) column 4, line 67 -column 5, line 22 PATENT ABSTRACTS OF JAPAN vol. 1996, no. 03, 29 March 1996 (1996-03-29) & JP 07 310070 A (HITACHI LTD;0THERS: 01), 28 November 1995 (1995-11-28) abstract

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person sidled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
10 March 2000	16/03/2000
Name and mailing address of the ISA European Patent Office, P.B. 5618 Patentiaan 2 NL. – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni, Fax: (+31–70) 340–3016	D'hondt, J

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h. all Application No PCT/CA 99/00850

		PC1/CA 99/00850
(Continu	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 11, 29 November 1996 (1996-11-29) & JP 08 185877 A (TOYOTA MOTOR CORP), 16 July 1996 (1996-07-16) cited in the application abstract	12-15, 19-21, 23,25
١	US 3 576 677 A (KEATING STEPHEN J JR ET AL) 27 April 1971 (1971-04-27) column 3, line 46 - line 64	12
P,A	US 5 868 105 A (EVANS JOHN W) 9 February 1999 (1999-02-09) column 5, line 22 - line 25 column 21, line 20 -column 22, line 22; figure 6A	12-15, 19-21,23
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 151 (E-0906), 22 March 1990 (1990-03-22) & JP 02 010664 A (MITSUBISHI ELECTRIC CORP), 16 January 1990 (1990-01-16) abstract	
		

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1		nel Application No.	
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